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| Term                   | Documents |
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| (1 AND 3).USPT,TDBD.   | 20        |
| (L3 AND L1).USPT,TDBD. | 20        |

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L4

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**DATE:** Thursday, October 17, 2002    [Printable Copy](#)    [Create Case](#)
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side by side

**Hit Count Set Name**

result set

*DB=USPT,TDBD; PLUR=YES; OP=ADJ*

|           |  |       |           |
|-----------|--|-------|-----------|
| <u>L4</u> | L3 and l1  | 20    | <u>L4</u> |
| <u>L3</u> | (defin\$3 or creat\$3 or generat\$3) near4 class | 13840 | <u>L3</u> |
| <u>L2</u> | class same L1                                    | 8     | <u>L2</u> |
| <u>L1</u> | pars\$3 with xml                                 | 67    | <u>L1</u> |

END OF SEARCH HISTORY

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| Term                       | Documents |
|----------------------------|-----------|
| CLASS.TDBD,USPT.           | 203953    |
| CLASSES.TDBD,USPT.         | 73074     |
| (1 SAME CLASS).USPT,TDBD.  | 8         |
| (CLASS SAME L1).USPT,TDBD. | 8         |

Database:

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| JPO Abstracts Database                      |   |
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| Derwent World Patents Index                 |   |
| IBM Technical Disclosure Bulletins          | ▼ |

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| L2 | ▲ |
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Refine Search

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**Search History**DATE: Thursday, October 17, 2002   [Printable Copy](#)   [Create Case](#)

| <u>Set Name</u><br>side by side       | <u>Query</u>     | <u>Hit Count</u> | <u>Set Name</u><br>result set |
|---------------------------------------|------------------|------------------|-------------------------------|
| <i>DB=USPT,TDBD; PLUR=YES; OP=ADJ</i> |                  |                  |                               |
| <u>L2</u>                             | class same L1    | 8                | <u>L2</u>                     |
| <u>L1</u>                             | pars\$3 with xml | 67               | <u>L1</u>                     |

END OF SEARCH HISTORY

DATE-ISSUED: September 26, 2000

US-CL-CURRENT: 709/223; 370/466, 705/26, 707/513, 709/230

APPL-NO: 09/ 173854

DATE FILED: October 16, 1998

PARENT-CASE:

CROSS-REFERENCE TO RELATED APPLICATIONS The present application is related to co-pending U.S. patent application Ser. No. 09/173,858, filed on Oct. 16, 1998, the same day as the present application, and having the same inventors, entitled DOCUMENTS FOR COMMERCE IN TRADING PARTNER NETWORKS AND INTERFACE DEFINITIONS BASED ON THE DOCUMENTS; and to co-pending U.S. patent application Ser. No. 09/173,847, filed on Oct. 16, 1998, the same day as the present application, and having the same inventors, entitled PARTICIPANT SERVER WHICH PROCESSES DOCUMENTS FOR COMMERCE IN TRADING PARTNER NETWORKS.

|      |       |          |       |        |                |      |           |           |             |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments |
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| KIMC | Draw Desc | Image |
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Generate Collection

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| Term                       | Documents |
|----------------------------|-----------|
| CLASS.TDBD,USPT.           | 203953    |
| CLASSES.TDBD,USPT.         | 73074     |
| (1 SAME CLASS).USPT,TDBD.  | 8         |
| (CLASS SAME L1).USPT,TDBD. | 8         |

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**WEST**[Generate Collection](#)[Print](#)**Search Results - Record(s) 1 through 8 of 8 returned.**☐ 1. Document ID: US 6460042 B1

L2: Entry 1 of 8

File: USPT

Oct 1, 2002

US-PAT-NO: 6460042

DOCUMENT-IDENTIFIER: US 6460042 B1

TITLE: Universal forms engine

DATE-ISSUED: October 1, 2002

US-CL-CURRENT: 707/10; 707/100

APPL-NO: 09/ 991434

DATE FILED: November 9, 2001

## PARENT-CASE:

RELATED APPLICATIONS This application is a continuation of U.S. patent application Ser. No. 09/325,533, filed Jun. 3, 1999, now U.S. Pat. No. 6,345,278 which claims priority from U.S. Provisional Patent Application No. 60/088,123 filed Jun. 4, 1998, both of which are hereby incorporated by reference.

|      |       |          |       |        |                |      |           |           |             |        |      |           |       |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|-----------|-------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | RIMC | Draw Desc | Image |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|-----------|-------|

☐ 2. Document ID: US 6438539 B1

L2: Entry 2 of 8

File: USPT

Aug 20, 2002

US-PAT-NO: 6438539

DOCUMENT-IDENTIFIER: US 6438539 B1

TITLE: Method for retrieving data from an information network through linking search criteria to search strategy

DATE-ISSUED: August 20, 2002

US-CL-CURRENT: 707/3; 707/10

APPL-NO: 09/ 512755

DATE FILED: February 25, 2000

|      |       |          |       |        |                |      |           |           |             |        |      |           |       |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|-----------|-------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | RIMC | Draw Desc | Image |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|-----------|-------|

☒ 3. Document ID: US 6345278 B1

L2: Entry 3 of 8

File: USPT

Feb 5, 2002

US-PAT-NO: 6345278

DOCUMENT-IDENTIFIER: US 6345278 B1

TITLE: Universal forms engine

DATE-ISSUED: February 5, 2002

US-CL-CURRENT: 707/100; 707/102, 707/104.1, 707/506, 707/507

APPL-NO: 09/ 325533

DATE FILED: June 3, 1999

PARENT-CASE:

RELATED APPLICATIONS This application claims priority for U.S. Provisional Patent application No. 60/088,123, filed Jun. 4, 1998.

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KIMC | Draw Desc | Image |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|-----------|-------|
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☒ 4. Document ID: US 6342907 B1

L2: Entry 4 of 8

File: USPT

Jan 29, 2002

US-PAT-NO: 6342907

DOCUMENT-IDENTIFIER: US 6342907 B1

TITLE: Specification language for defining user interface panels that are platform-independent

DATE-ISSUED: January 29, 2002

US-CL-CURRENT: 345/762; 345/708, 345/760, 345/798

APPL-NO: 09/ 174709

DATE FILED: October 19, 1998

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KIMC | Draw Desc | Image |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|-----------|-------|
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☐ 5. Document ID: US 6327628 B1

L2: Entry 5 of 8

File: USPT

Dec 4, 2001

US-PAT-NO: 6327628

DOCUMENT-IDENTIFIER: US 6327628 B1

TITLE: Portal server that provides a customizable user Interface for access to computer networks

DATE-ISSUED: December 4, 2001

US-CL-CURRENT: 709/311; 707/501.1, 707/9, 709/213, 713/200

APPL-NO: 09/ 573226

DATE FILED: May 19, 2000

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | KIMC | Draw Desc | Image |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|------|-----------|-------|
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☒ 6. Document ID: US 6226675 B1

L2: Entry 6 of 8

File: USPT

May 1, 2001

US-PAT-NO: 6226675

DOCUMENT-IDENTIFIER: US 6226675 B1

TITLE: Participant server which process documents for commerce in trading partner networks

DATE-ISSUED: May 1, 2001

US-CL-CURRENT: 709/223; 370/466, 705/26, 707/513, 709/230

APPL-NO: 09/ 173847

DATE FILED: October 16, 1998

## PARENT-CASE:

CROSS-REFERENCE TO RELATED APPLICATIONS The present application is related to co-pending U.S. patent application Ser. No. 09/173,858, filed on Oct. 16, 1998, the same day as the present application, and having the same inventors, entitled DOCUMENTS FOR COMMERCE IN TRADING PARTNER NETWORKS AND INTERFACE DEFINITIONS BASED ON THE DOCUMENTS, still pending; and to co-pending U.S. patent application Ser. No. 09/173,854, filed on Oct. 16, 1998, the same day as the present application, and having the same inventors, entitled MARKET MAKERS USING DOCUMENTS FOR COMMERCE IN TRADING PARTNER NETWORKS, now U.S. Pat. No. 6,125,391.

|      |       |          |       |        |                |      |           |           |             |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments |
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| RWMC | Draw Desc | Image |
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☐ 7. Document ID: US 6209124 B1

L2: Entry 7 of 8

File: USPT

Mar 27, 2001

US-PAT-NO: 6209124

DOCUMENT-IDENTIFIER: US 6209124 B1

TITLE: Method of markup language accessing of host systems and data using a constructed intermediary

DATE-ISSUED: March 27, 2001

US-CL-CURRENT: 717/114; 707/513, 717/136

APPL-NO: 09/ 385903

DATE FILED: August 30, 1999

|      |       |          |       |        |                |      |           |           |             |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments |
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| RWMC | Draw Desc | Image |
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☐ 8. Document ID: US 6125391 A

L2: Entry 8 of 8

File: USPT

Sep 26, 2000

US-PAT-NO: 6125391

DOCUMENT-IDENTIFIER: US 6125391 A

TITLE: Market makers using documents for commerce in trading partner networks

**WEST**[Generate Collection](#)[Print](#)**Search Results - Record(s) 1 through 15 of 20 returned.**☐ 1. Document ID: US 6466940 B1

L4: Entry 1 of 20

File: USPT

Oct 15, 2002

US-PAT-NO: 6466940

DOCUMENT-IDENTIFIER: US 6466940 B1

TITLE: Building a database of CCG values of web pages from extracted attributes

DATE-ISSUED: October 15, 2002

US-CL-CURRENT: 707/102

APPL-NO: 09/ 021832

DATE FILED: February 11, 1998

FOREIGN-APPL-PRIORITY-DATA:

COUNTRY

APPL-NO

APPL-DATE

AU

P05254

February 21, 1997

|      |       |          |       |        |                |      |           |           |             |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments |
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| RMIC | Draw Desc | Image |
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☐ 2. Document ID: US 6446256 B1

L4: Entry 2 of 20

File: USPT

Sep 3, 2002

US-PAT-NO: 6446256

DOCUMENT-IDENTIFIER: US 6446256 B1

TITLE: Extension of parsable structures

DATE-ISSUED: September 3, 2002

US-CL-CURRENT: 717/143; 707/513, 707/515, 707/516, 707/524, 717/115, 717/116,  
717/140, 717/141, 717/142, 717/147, 717/165

APPL-NO: 09/ 344287

DATE FILED: June 30, 1999

|      |       |          |       |        |                |      |           |           |             |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments |
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| RMIC | Draw Desc | Image |
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☐ 3. Document ID: US 6446110 B1

L4: Entry 3 of 20

File: USPT

Sep 3, 2002

US-PAT-NO: 6446110

DOCUMENT-IDENTIFIER: US 6446110 B1

TITLE: Method and apparatus for representing host datastream screen image information using markup languages

DATE-ISSUED: September 3, 2002

US-CL-CURRENT: 709/203; 707/10, 707/513, 707/523, 709/200, 709/201, 709/202, 709/246

APPL-NO: 09/ 286278

DATE FILED: April 5, 1999

|      |       |          |       |        |                |      |           |           |             |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments |
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| RMK | Draw Desc | Image |
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☐ 4. Document ID: US 6442748 B1

L4: Entry 4 of 20

File: USPT

Aug 27, 2002

US-PAT-NO: 6442748

DOCUMENT-IDENTIFIER: US 6442748 B1

TITLE: System, method and article of manufacture for a persistent state and persistent object separator in an information services patterns environment

DATE-ISSUED: August 27, 2002

US-CL-CURRENT: 707/103R, 707/104.1, 707/9, 709/316

APPL-NO: 09/ 388911

DATE FILED: August 31, 1999

PARENT-CASE:

CROSS REFERENCE TO RELATED APPLICATIONS This application is related to U.S. patent applications entitled A SYSTEM, METHOD AND ARTICLE OF MANUFACTURE FOR A DEVELOPMENT ARCHITECTURE FRAMEWORK Ser. No. 09/387,747 and A SYSTEM, METHOD AND ARTICLE OF MANUFACTURE FOR MAINTENANCE AND ADMINISTRATION IN AN E-COMMERCE APPLICATION FRAMEWORK Ser. No. 09/387,318, both of which are filed Aug. 31, 1999 concurrently herewith and which are incorporated by reference in their entirety.

|      |       |          |       |        |                |      |           |           |             |
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| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments |
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| RMK | Draw Desc | Image |
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☐ 5. Document ID: US 6438594 B1

L4: Entry 5 of 20

File: USPT

Aug 20, 2002

US-PAT-NO: 6438594

DOCUMENT-IDENTIFIER: US 6438594 B1

TITLE: Delivering service to a client via a locally addressable interface

DATE-ISSUED: August 20, 2002

US-CL-CURRENT: 709/225; 709/203, 709/217, 709/250

APPL-NO: 09/ 387064

DATE FILED: August 31, 1999

PARENT-CASE:



CROSS REFERENCE TO RELATED APPLICATIONS This application is related to U.S. patent applications entitled A SYSTEM, METHOD AND ARTICLE OF MANUFACTURE FOR A DEVELOPMENT ARCHITECTURE FRAMEWORK and A SYSTEM, METHOD AND ARTICLE OF MANUFACTURE FOR MAINTENANCE AND ADMINISTRATION IN AN E-COMMERCE APPLICATION FRAMEWORK, both of which are filed concurrently herewith and which are incorporated by reference in their entirety.

|      |       |          |       |        |                |      |           |           |             |
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| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments |
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| KWIC | Draw Desc | Image |
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☐ 6. Document ID: US 6438539 B1

L4: Entry 6 of 20

File: USPT

Aug 20, 2002

US-PAT-NO: 6438539

DOCUMENT-IDENTIFIER: US 6438539 B1

TITLE: Method for retrieving data from an information network through linking search criteria to search strategy

DATE-ISSUED: August 20, 2002

US-CL-CURRENT: 707/3; 707/10

APPL-NO: 09/ 512755

DATE FILED: February 25, 2000

|      |       |          |       |        |                |      |           |           |             |
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| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments |
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| KWIC | Draw Desc | Image |
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☐ 7. Document ID: US 6434628 B1

L4: Entry 7 of 20

File: USPT

Aug 13, 2002

US-PAT-NO: 6434628

DOCUMENT-IDENTIFIER: US 6434628 B1

TITLE: Common interface for handling exception interface name with additional prefix and suffix for handling exceptions in environment services patterns

DATE-ISSUED: August 13, 2002

US-CL-CURRENT: 714/1, 714/15, 714/48

APPL-NO: 09/ 386434

DATE FILED: August 31, 1999

PARENT-CASE:

CROSS REFERENCE TO RELATED APPLICATIONS This application is related to U.S. patent applications entitled "A SYSTEM, METHOD AND ARTICLE OF MANUFACTURE FOR A DEVELOPMENT ARCHITECTURE FRAMEWORK" (Ser. No. 09/387,747, filed on Aug. 31, 1999) and "A SYSTEM, METHOD AND ARTICLE OF MANUFACTURE FOR MAINTENANCE AND ADMINISTRATION IN AN E-COMMERCE APPLICATION FRAMEWORK" (Ser. No. 09/388,910 filed on Aug. 31, 1999), both of which are filed concurrently herewith and which are incorporated by reference in their entirety.

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|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments |
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| KWIC | Draw Desc | Image |
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☐ 8. Document ID: US 6434568 B1

L4: Entry 8 of 20

File: USPT

Aug 13, 2002

US-PAT-NO: 6434568

DOCUMENT-IDENTIFIER: US 6434568 B1

TITLE: Information services patterns in a netcentric environment

DATE-ISSUED: August 13, 2002

US-CL-CURRENT: 707/10, 709/203

APPL-NO: 09/ 387071

DATE FILED: August 31, 1999

## PARENT-CASE:

CROSS REFERENCE TO RELATED APPLICATIONS This application is related to U.S. patent application Ser. No. 09/387,747 entitled A SYSTEM, METHOD AND ARTICLE OF MANUFACTURE FOR A DEVELOPMENT ARCHITECTURE FRAMEWORK and U.S. patent application Ser. No. 09/387,318 A SYSTEM, METHOD AND ARTICLE OF MANUFACTURE FOR MAINTENANCE AND ADMINISTRATION IN AN E-COMMERCE APPLICATION FRAMEWORK, both of which are filed concurrently herewith and which are incorporated by reference in their entirety.

|      |       |          |       |        |                |      |           |           |             |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments |
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| KWIC | Draw Desc | Image |
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☐ 9. Document ID: US 6427228 B1

L4: Entry 9 of 20

File: USPT

Jul 30, 2002

US-PAT-NO: 6427228

DOCUMENT-IDENTIFIER: US 6427228 B1

TITLE: Combining a meta data file and java source code to dynamically create java classes and javabeans

DATE-ISSUED: July 30, 2002

US-CL-CURRENT: 707/203

APPL-NO: 09/ 310251

DATE FILED: May 12, 1999

|      |       |          |       |        |                |      |           |           |             |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments |
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| KWIC | Draw Desc | Image |
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☐ 10. Document ID: US 6397219 B2

L4: Entry 10 of 20

File: USPT

May 28, 2002

US-PAT-NO: 6397219

DOCUMENT-IDENTIFIER: US 6397219 B2

TITLE: Network based classified information systems

DATE-ISSUED: May 28, 2002

US-CL-CURRENT: 707/10; 707/102

APPL-NO: 09/ 768158

DATE FILED: January 24, 2001

PARENT-CASE:

This is a division of application Ser. No. 09/021,832, filed Feb. 11, 1998, now abandoned.

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|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments |
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|      |           |       |
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| KWIC | Draw Desc | Image |
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☐ 11. Document ID: US 6342907 B1

L4: Entry 11 of 20

File: USPT

Jan 29, 2002

US-PAT-NO: 6342907

DOCUMENT-IDENTIFIER: US 6342907 B1

TITLE: Specification language for defining user interface panels that are platform-independent

DATE-ISSUED: January 29, 2002

US-CL-CURRENT: 345/762; 345/708, 345/760, 345/798

APPL-NO: 09/ 174709

DATE FILED: October 19, 1998

|      |       |          |       |        |                |      |           |           |             |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments |
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| KWIC | Draw Desc | Image |
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☐ 12. Document ID: US 6339832 B1

L4: Entry 12 of 20

File: USPT

Jan 15, 2002

US-PAT-NO: 6339832

DOCUMENT-IDENTIFIER: US 6339832 B1

TITLE: Exception response table in environment services patterns

DATE-ISSUED: January 15, 2002

US-CL-CURRENT: 714/35; 710/266, 710/48, 714/50

APPL-NO: 09/ 387873

DATE FILED: August 31, 1999

|      |       |          |       |        |                |      |           |           |             |
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| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments |
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| KWIC | Draw Desc | Image |
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☐ 13. Document ID: US 6332163 B1

L4: Entry 13 of 20

File: USPT

Dec 18, 2001

US-PAT-NO: 6332163

DOCUMENT-IDENTIFIER: US 6332163 B1

\* TITLE: Method for providing communication services over a computer network system

DATE-ISSUED: December 18, 2001

US-CL-CURRENT: 709/231; 709/217, 709/223, 709/227, 709/329

APPL-NO: 09/ 387642

DATE FILED: September 1, 1999

|      |       |          |       |        |                |      |           |           |             |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments |
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| KWIC | Draw Desc | Image |
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☐ 14. Document ID: US 6327628 B1

L4: Entry 14 of 20

File: USPT

Dec 4, 2001

US-PAT-NO: 6327628

DOCUMENT-IDENTIFIER: US 6327628 B1

TITLE: Portal server that provides a customizable user Interface for access to computer networks

DATE-ISSUED: December 4, 2001

US-CL-CURRENT: 709/311; 707/501.1, 707/9, 709/213, 713/200

APPL-NO: 09/ 573226

DATE FILED: May 19, 2000

|      |       |          |       |        |                |      |           |           |             |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments |
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☒ 15. Document ID: US 6327574 B1

L4: Entry 15 of 20

File: USPT

Dec 4, 2001

US-PAT-NO: 6327574

DOCUMENT-IDENTIFIER: US 6327574 B1

TITLE: Hierarchical models of consumer attributes for targeting content in a privacy-preserving manner

DATE-ISSUED: December 4, 2001

US-CL-CURRENT: 705/14; 705/10, 705/26

APPL-NO: 09/ 241546

DATE FILED: February 1, 1999

PARENT-CASE:

CROSS REFERENCE TO RELATED APPLICATION This application is a continuation-in-part of U.S. application Ser. No. 09/235,610, filed Jan. 20, 1999, which claims the benefit of U.S. Provisional Application Ser. No. 60/091,979, filed Jul. 7, 1998.

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L4: Entry 20 of 20

File: USPT

Jul 4, 2000

DOCUMENT-IDENTIFIER: US 6083276 A

TITLE: Creating and configuring component-based applications using a text-based descriptive attribute grammar

Detailed Description Text (12):

The parser 116 parses the ADF 202 to generate an XML parse tree 204. Preferably, the parse tree 204 is stored in the memory 106 as a set of interconnected objects, although a variety of other configurations are possible within the scope of the invention. In one embodiment, the parser 116 is a conventional XML parser available from Microsoft and other sources. Alternatively, a custom-designed XML parser is used. The ADF 202 and the parse tree 204 are described in greater detail below with respect to FIG. 3A.

Detailed Description Text (38):

Like standard XML documents, BML documents consist of markup data and content character data within specific elements' closures. Valid markup structures allowed by BML include start-tags, end-tags, empty elements, character references, comments and CDATA sections. The current preferred embodiment of BML does not support processing instructions 304, document type declarations or entities though these could be easily added if appropriate in other embodiments. Comments 302 in BML are marked and processed identically to XML documents and are, therefore, ignored by parser 116. As with XML, BML comments 302 may not appear within declarations or tags.

Detailed Description Text (112):

Referring now to FIG. 4A there is shown a high-level flow diagram for a method of creating and configuring a component-based application in accordance with a preferred embodiment of the present invention. The method begins by creating 402 the XML parse tree 204. Preferably, a conventional parser 116 is used to parse the ADF 202, as illustrated in FIG. 3A.

Detailed Description Text (120):

1. Each element processor 118 has a "default" target class 132 associated with it. Unless otherwise overridden, an element tag 314 which makes use of this element processor 118 will create an instance of the given target class 132.

Detailed Description Text (121):

2. The target class 132 associated with a given element tag 314 may be "globally" overridden through the ElementTagManagerIntf method, addComponentClassTag(String theElementTag, String theDefaultElementTag, String theJavaClassName). This call specifies that the element processor 118 already registered with theDefaultElementTag should also be used with theElementTag but that instead of creating an instance of the default target class 132 for that processor 118, an instance is of theJavaClassName should be created instead.

Detailed Description Text (122):

3. In one embodiment, it is also possible to locally "override" a processor's target class 132 through a special markup attribute 310, Class. The value of the Class attribute 310 is expected to be the fully qualified name of a target class 132 which can be created and used by the given element processor 118 for a specific element 306 instance. In one embodiment built upon the Java programming language, the

element processor 118 expects the value of the Class attribute 310 to be the fully qualified name of an accessible Java class 132 (what constitutes a valid, accessible Java class 132 will depend on the end-user's system and network environment as well as the other resources provided by the application 214). When the element processor 118 finds the Class attribute 310 declaration in a particular element 306 declaration, it is instructed to create and use the specified Java class 132 instead of the Java class 132 normally registered for that element 306. For example, in one embodiment, the following element 306 declaration instantiates an instance of the class 132, "my.SpecialClass", rather than the default class 132 specified for the given element processor 118:

#### CLAIMS:

3. The method of claim 1, wherein the application description filed is a text-based, extensible markup language (XML) compliant document, and the parse tree is created by an XML parser.

9. The method of claim 1, wherein the instantiating step comprises the steps of:

creating an element processor for the element, the element processor being associated with the target class; and

creating an uninitialized instance of the target class.

17. The system of claim 16, wherein the application description file is an XML-compliant, text-based document, and the parser is an XML parser.

22. The computer-readable medium of claim 19, wherein the computer-readable program code devices configured to instantiate a component of the target class comprise:

computer-readable program code devices configured to create an element processor for the element, the element processor being associated with the target class; and

computer-readable program code devices configured to create an uninitialized instance of the target class.

**WEST**[Generate Collection](#)[Print](#)**Search Results - Record(s) 16 through 20 of 20 returned.**☐ 16. Document ID: US 6314402 B1

L4: Entry 16 of 20

File: USPT

Nov 6, 2001

US-PAT-NO: 6314402

DOCUMENT-IDENTIFIER: US 6314402 B1

TITLE: Method and apparatus for creating modifiable and combinable speech objects for acquiring information from a speaker in an interactive voice response system

DATE-ISSUED: November 6, 2001

US-CL-CURRENT: 704/275; 704/270, 704/272

APPL-NO: 09/ 296191

DATE FILED: April 23, 1999

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☒ 17. Document ID: US 6292186 B1

L4: Entry 17 of 20

File: USPT

Sep 18, 2001

US-PAT-NO: 6292186

DOCUMENT-IDENTIFIER: US 6292186 B1

TITLE: Universal information appliance with parser

DATE-ISSUED: September 18, 2001

US-CL-CURRENT: 345/705; 345/733, 345/744, 345/810, 345/840, 709/201, 709/328

APPL-NO: 09/ 187377

DATE FILED: November 6, 1998

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☐ 18. Document ID: US 6289382 B1

L4: Entry 18 of 20

File: USPT

Sep 11, 2001

US-PAT-NO: 6289382

DOCUMENT-IDENTIFIER: US 6289382 B1

TITLE: System, method and article of manufacture for a globally addressable interface in a communication services patterns environment

DATE-ISSUED: September 11, 2001



US-CL-CURRENT: 709/226

APPL-NO: 09/ 387214

DATE FILED: August 31, 1999

## PARENT-CASE:

CROSS REFERENCE TO RELATED APPLICATIONS This application is related to United States patent applications entitled A SYSTEM, METHOD AND ARTICLE OF MANUFACTURE FOR A DEVELOPMENT ARCHITECTURE FRAMEWORK, Ser. No. 09/386,619, still pending and A SYSTEM, METHOD AND ARTICLE OF MANUFACTURE FOR MAINTENANCE AND ADMINISTRATION IN AN E-COMMERCE APPLICATION FRAMEWORK, Ser. No. 09/386,618, still pending, both of which are filed concurrently herewith and which are incorporated by reference in their entirety.

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☐ 19. Document ID: US 6209124 B1

L4: Entry 19 of 20

File: USPT

Mar 27, 2001

US-PAT-NO: 6209124

DOCUMENT-IDENTIFIER: US 6209124 B1

TITLE: Method of markup language accessing of host systems and data using a constructed intermediary

DATE-ISSUED: March 27, 2001

US-CL-CURRENT: 717/114; 707/513, 717/136

APPL-NO: 09/ 385903

DATE FILED: August 30, 1999

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☒ 20. Document ID: US 6083276 A

L4: Entry 20 of 20

File: USPT

Jul 4, 2000

US-PAT-NO: 6083276

DOCUMENT-IDENTIFIER: US 6083276 A

TITLE: Creating and configuring component-based applications using a text-based descriptive attribute grammar

DATE-ISSUED: July 4, 2000

US-CL-CURRENT: 717/107; 709/200, 717/100, 717/114

APPL-NO: 09/ 096848

DATE FILED: June 11, 1998

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